

FIG. 1a
 SUBSTITUTE SHEET (RULE 26)

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From FIG. 1a

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PROCESSING THE SYSTEM OF $N \times M$ EQUATIONS,
IN EACH OF WHICH THE EM RADIATION
VALUE V IN A PARTICULAR SPECTRAL BAND Δ_i
IS A FUNCTION OF TEMPERATURE T AND
EMISSIVITY ϵ OF THE SAMPLE

$$V_{T_j}^i = f(T_j, \epsilon_i)$$

6

OBTAINING M SUCCESSIVE VALUES OF
TEMPERATURE OF THE OBJECT

$$(T_1 \dots T_j \dots T_M), \text{ AND}$$

OBTAINING N VALUES OF EMISSIVITIES

$$(\epsilon_1 \dots \epsilon_i \dots \epsilon_N) \text{ FOR } N \text{ SPECTRAL BANDS,}$$

RESPECTIVELY

FIG. 1b

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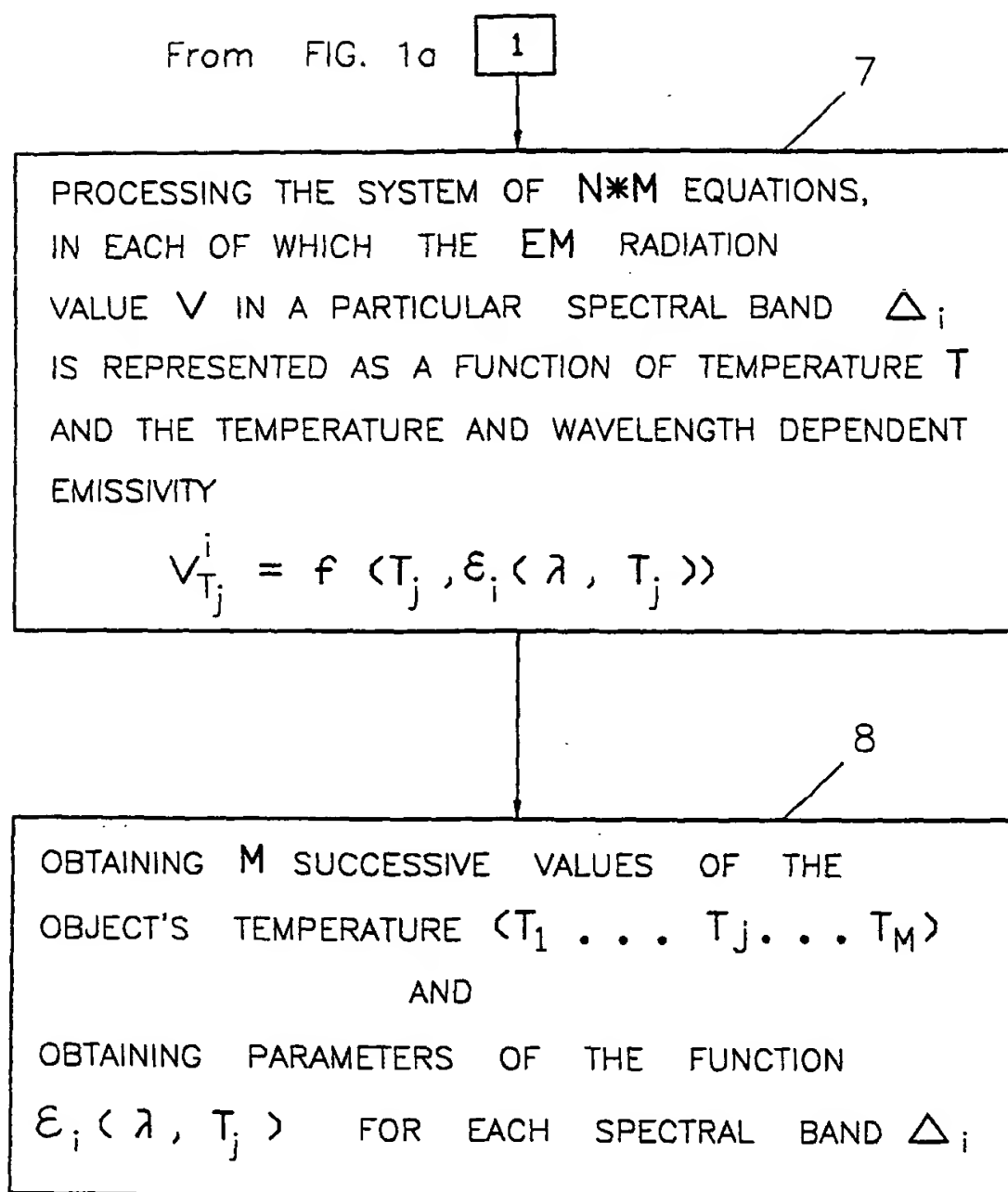


FIG. 2

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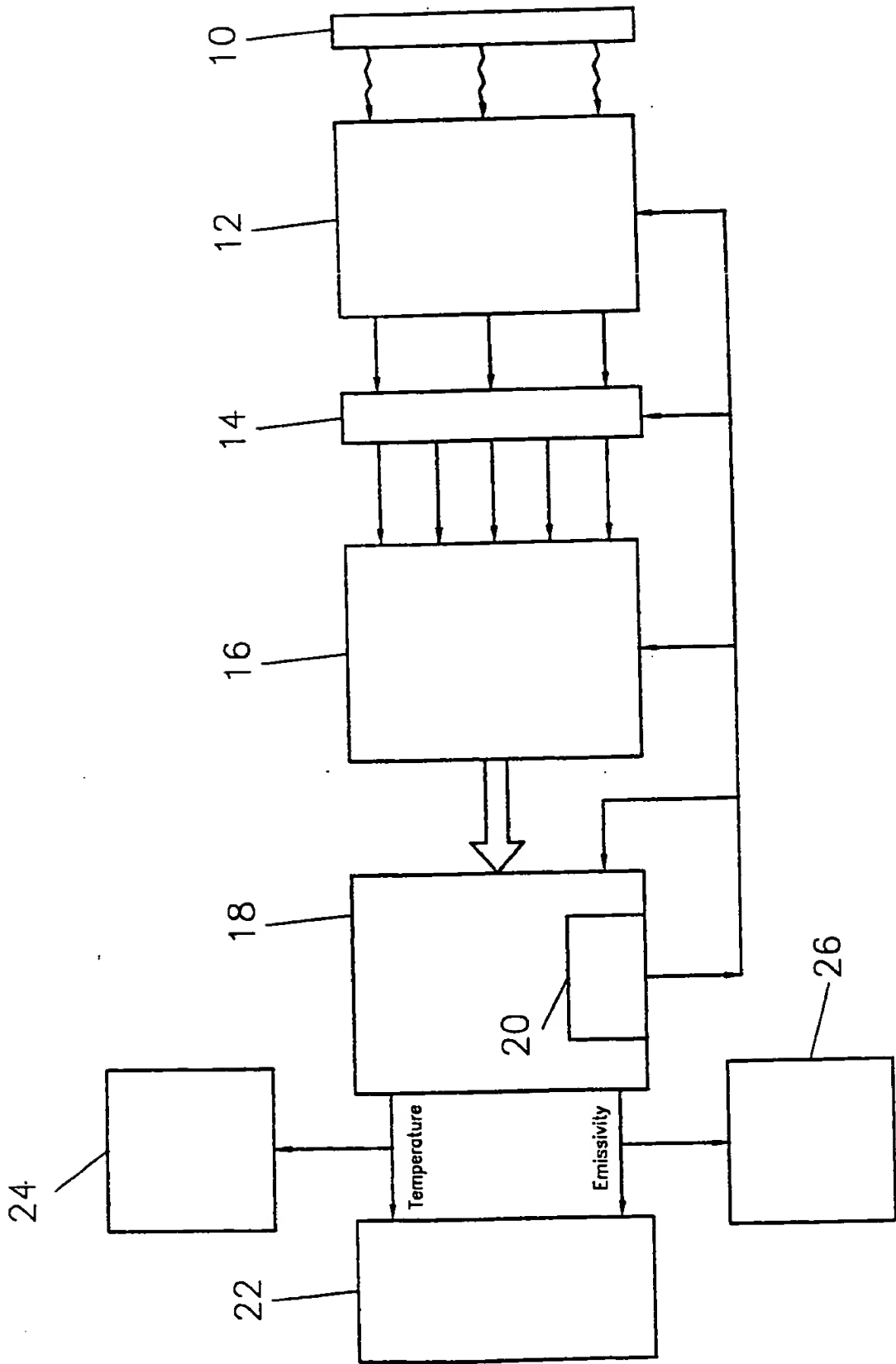


FIG. 3

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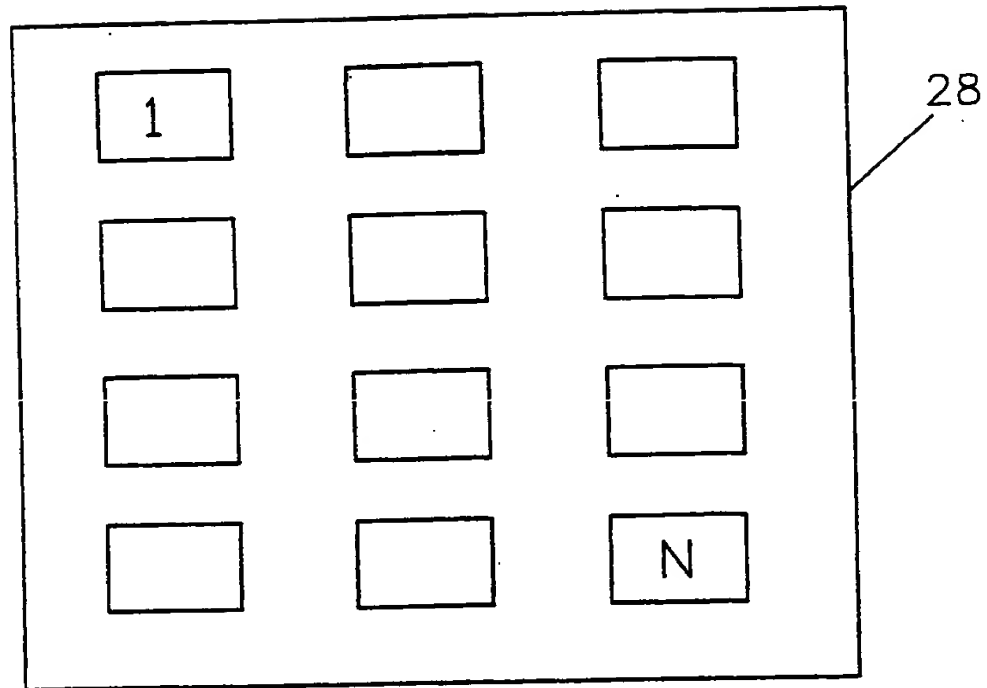


FIG. 4a

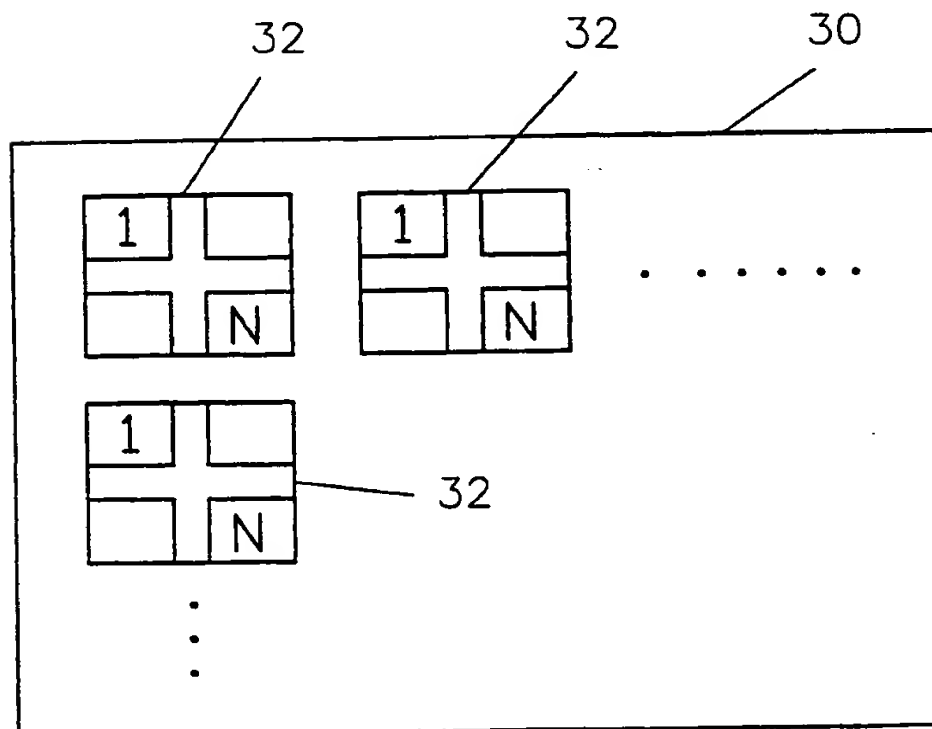


FIG. 4b

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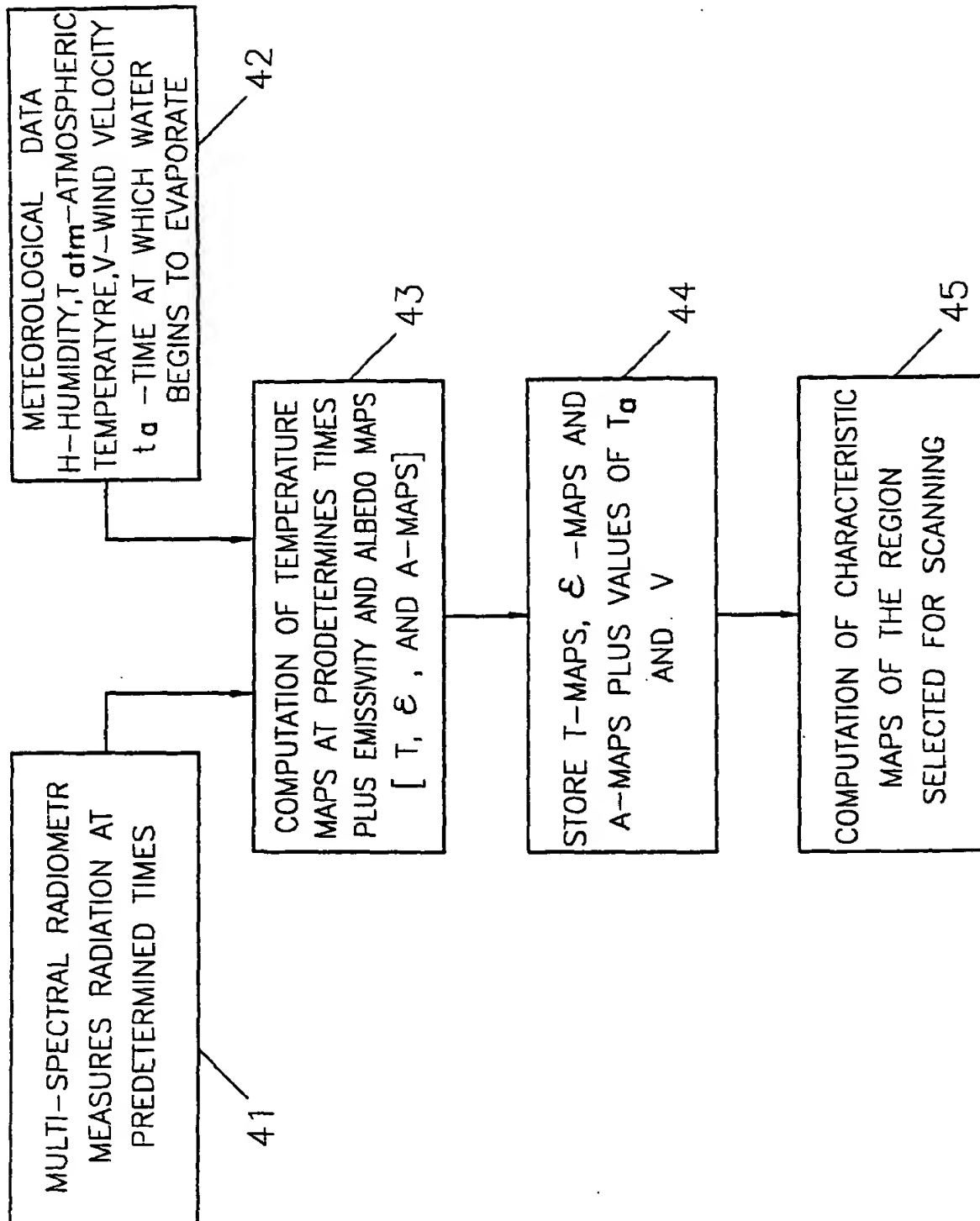


FIG. 5

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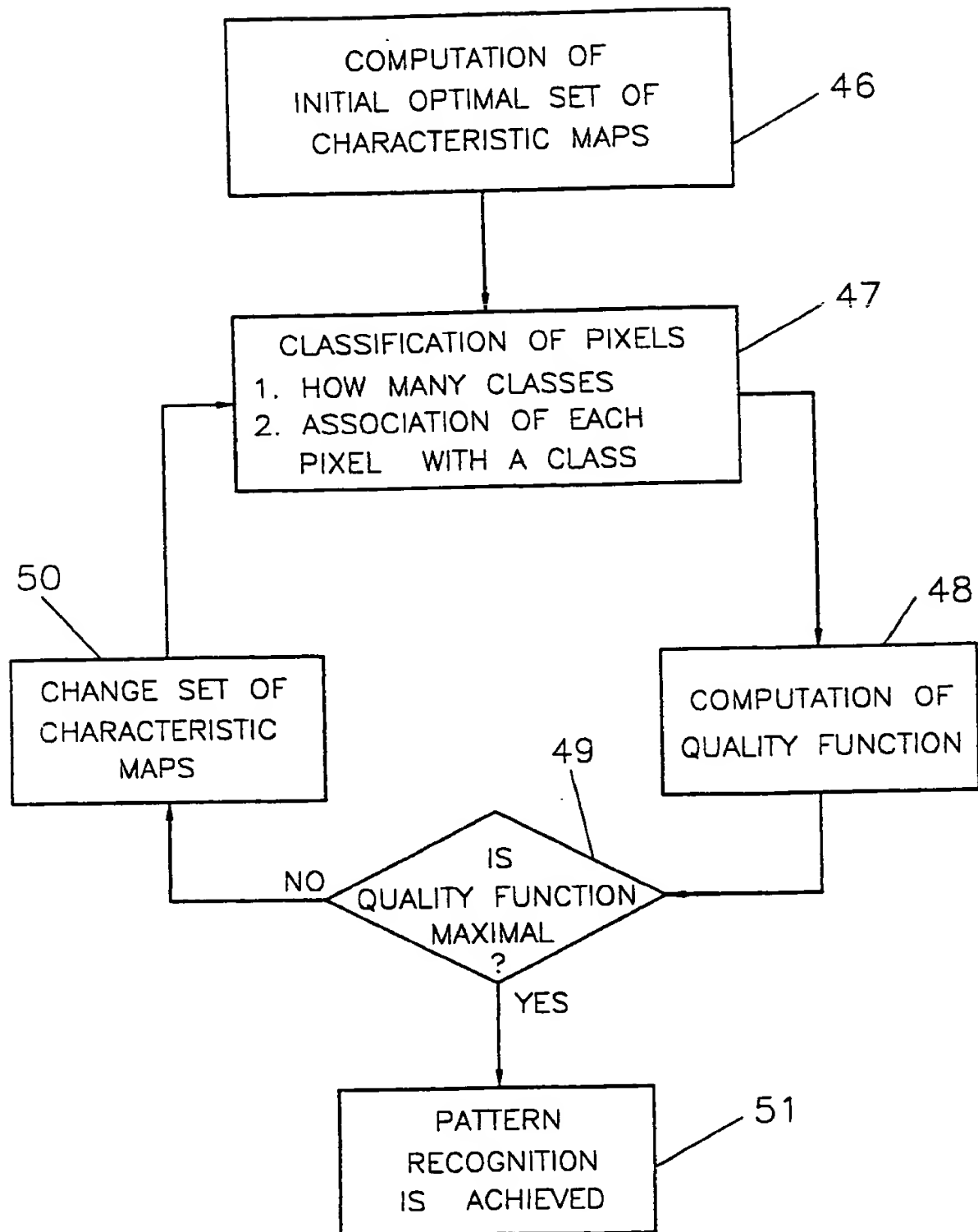


FIG. 6
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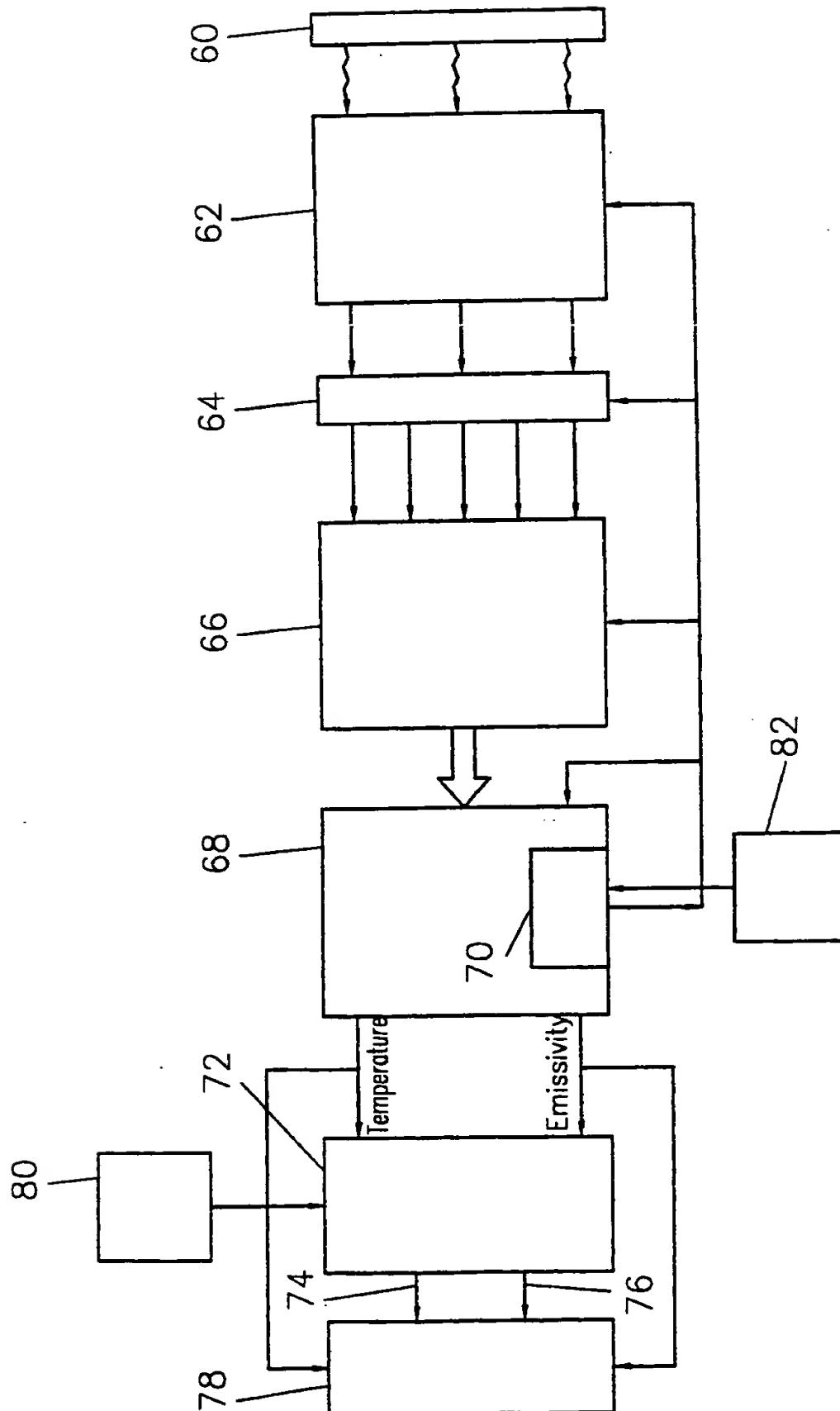


FIG. 7